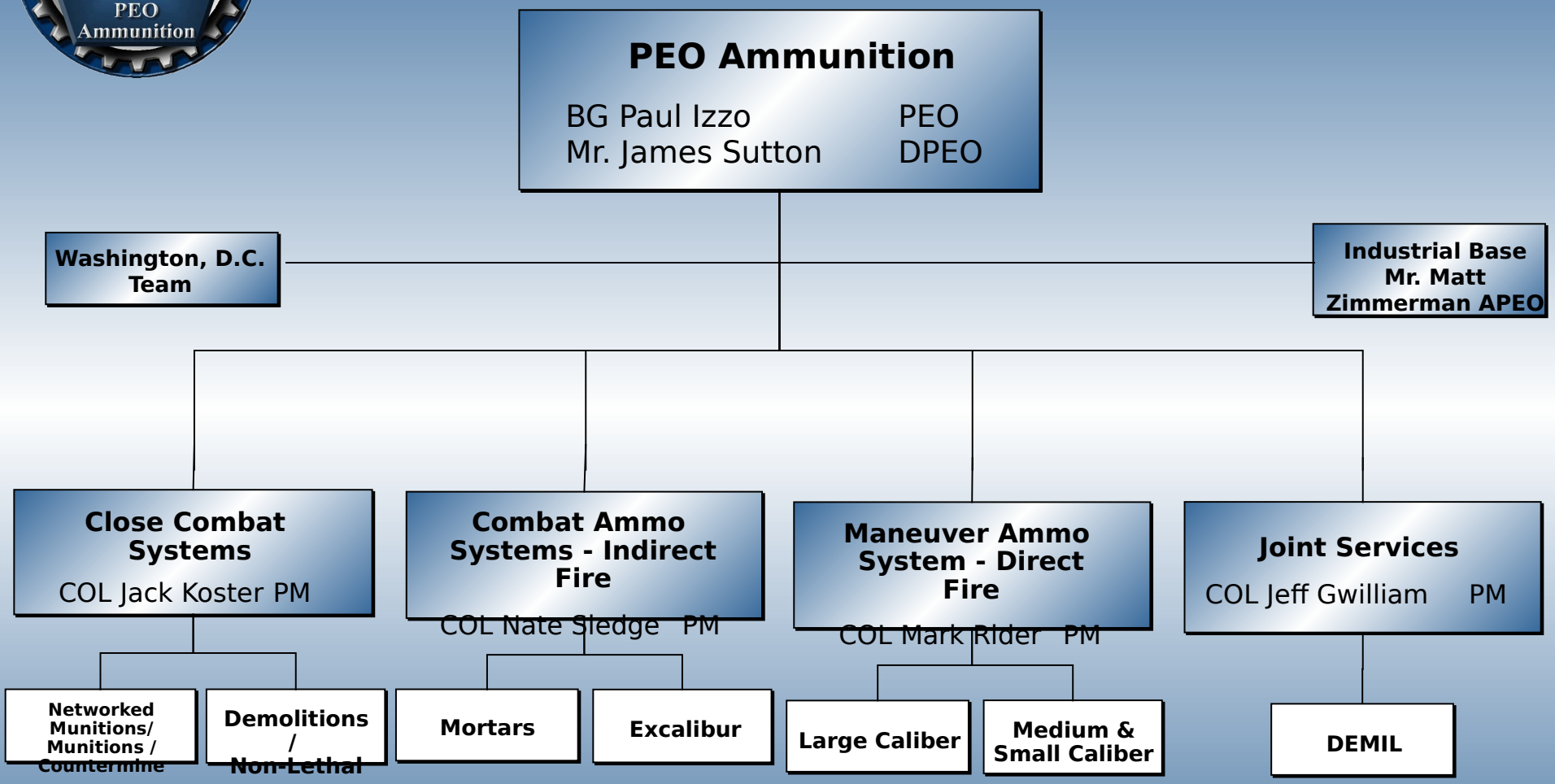
PEO
Ammunition
Joint Lethality

PEO Ammo Organization



Life Cycle Management Command Responsibilities

MISSION	LEAD	SUPPORT
ACQUISITION		
Technology Development	ARDEC	PEO/JMC
Manufacturing Science Development	PEO/ARDEC	JMC
System Development	PEO-AMMO	JMC/ARDEC
Acquisition Strategy	PEO-AMMO	JMC/ARDEC
Hardware Production	PEO-AMMO	JMC/ARDEC
Components for Renovation (Maint Spt)	PEO-AMMO	JMC/ARDEC
APE (Maint Spt)	PEO-AMMO	JMC/ARDEC
PAA Program / Budget / Receive Funding	PEO-AMMO	JMC/ARDEC
Industrial Base	PEO-AMMO/JMC	ARDEC
LOGISTICS / SUSTAINMENT		
Receipt / Issue	JMC	PEO-AMMO/ARDEC
Storage / Distribution Management	JMC	PEO-AMMO/ARDEC
Inventory / Accountability	JMC	PEO-AMMO/ARDEC
Safety / Security	JMC	PEO-AMMO/ARDEC
Quality Assurance (ASRP / Surveillance)	JMC	PEO-AMMO/ARDEC
Maintenance	JMC	PEO-AMMO/ARDEC
Demilitarization/ Disposal	PEO AMMO	JMC/ARDEC
Transportation	JMC	PEO-AMMO/ARDEC
OMA Program / Budget / Receive Funding	JMC	PEO-AMMO/ARDEC

KEY TO ENTERPRISE: INTEGRATION AND SYNCHRONIZATION

PEO Ammo FCS Programs

- Core:
  - ✓ Intelligent Munitions System (IMS)
  - ✓ Ground Standoff Mine Detection System Future Combat System (GSTAMIDS FCS)
- Complementary Programs:
  - ✓ Excalibur, XM982
  - ✓ Mid Range Munition (MRM)
  - ✓ Non-Lethal 155mm Munition
  - ✓ Airborne Standoff Minefield Detection System (ASTAMIDS)
  - ✓ Handheld Standoff Mine Detection System (HSTAMIDS)
  - ✓ Multi-option Fuze Artillery (MOFA)
- Interoperability Programs:
  - ✓ Precision Guided Mortar Munition (PGMM)
  - ✓ Mortar Fire Control System (MFCS)
  - ✓ Explosive Standoff Minefield Clearer (Mongoose)
  - ✓ Training Unique Ammo

Impact of FCS Restructure

- IMS:
  - ✓ IMS Increment 1 priority is to meet National Landmine Policy
  - ✓ FCS Core program that provides the force with autonomous, unattended ground sensors linked to a lethality component via robust command and control system integrated with the Army Distributed Battle Command and Net-Fires C3 systems
  - ✓ Part of FCS Spiral Out 1 capability
    - JTRS Cluster 5 & Soldier Radio Waveform development schedules need to be synchronized with IMS schedule

- Excalibur (XM982):
  - ✓ FCS Complementary program that provides the Force with precision effects (<10m CEP) at extended range (40km)
  - ✓ Part of FCS Spiral out 1 Capability
  - ✓ Need to know NLOS-C configuration in spiral 1 to ensure cost effective integration
  - ✓ Need to maintain Integration & Interoperability with SBCT (Light Weight 155mm), and Paladin

Impact of FCS Restructure

- ASTAMIDS:
- FCS Complementary program that provides the Force with the ability to detect and geo-locate minefields (surface, buried, recently and long term weathered) and obstacles, day and night, across the spectrum of conflict (via UAV platform)
- Part of FCS Spiral Out 2 capability
- Continue synchronization of sensor/payload capabilities w/UAV Platform
  - ✓ Program of record is ASTAMIDS on class IV UAV.
  - ✓ Currently assessing if size, weight and power of ASTAMIDS can be accommodated on class III UAV

- GSTAMIDS:
- FCS Core program that provides the Force with the ability to detect, geo-locate, and neutralize minefields (metallic, non-metallic, surface, and buried), day and night, across the spectrum of conflict (via UGV platform)
- Part of FCS Spiral out 3 capability
  - ✓ Continue synchronization and integration of sensor/payload w/UGV platform

Countermine capability is critical to survivability and effective employment of current as well as UA and UE forces

Back up Slides

IMS

- Working w/ PM-UA and LSI to define IMS Spiral-out 1
- IMS contractors completing development of their technology development phase concepts
- Systems Integration Lab (SIL) and subsystem testing is on-going
- System level testing starting in Jan 05

Excalibur Status

- ORD Approved by VCSA, 8 Jul 04; awaiting VCJCS signature
- Excalibur MS-C AoA rescinded, replaced by TRADOC Precision Munition Mix Study
- Preparations for Guided Gunfire test (GG-A) are on track
  - ✓ Subsystem tests are being successfully completed in support of GG-A system test
- Draft Test Threat Support Package developed
- POM Procurement quantities decremented; Army Cost Position has been updated
- APB has been updated and will staffed to AAE
- Tentative date for conduct of GG-A test is mid Sep 04

ASTAMIDS

- ASTAMIDS contract underway with Northrop Grumman, Melbourne, Florida.
- Contract modification in progress to implement combined Countermine/RSTA* sensor in single 12'gimbal with integral laser designator.
- Cost of modification to be funded by Product Manager for Robotic and Unmanned Sensors (PM-RUS) and the FCS Lead Systems Integrator (LSI). MOA with PM-RUS is pending.
- Combined sensor to weigh 75 lbs. and will permit conducting both minefield detection and RSTA missions with single payload.
- Assessment of ability to migrate to Class III UAV is yet to be done. Highly dependent on Class III UAV selected.
- Major Milestone Dates:
  - ✓ MS B 1QFY03
  - ✓ Contract awarded 2QFY03
  - ✓ SRR 2QFY04

* Reconnaissance, Surveillance and Target Acquisition (RSTA).

GSTAMIDS

- MS B June 30, 2004
  - ✓ FCS Core Program, Spiral Out 3
- Contract Award July 21, 2004
  - ✓ BAE Systems, Austin, Texas
  - ✓ Detection, Mine and Lane Marking, and Neutralization
  - ✓ Integrated onto the MULE CM Type III Platform
- Post Award Conference (PAC)
  - ✓ 31 Aug - 1 Sep 04
  - ✓ Briefings from FCS, LSI, and PM-MULE
- Associate Contractor Agreement (ACA)
  - ✓ Completion by 19 Oct 04
- System Requirements Review
  - ✓ Scheduled for 17-18 Nov 04